

COMBUSTOR MEMBER AND METHOD FOR MAKING A COMBUSTOR  
ASSEMBLY

ABSTRACT

5 A turbine engine combustor member, for example a deflector including an inner  
surface at a combustor interior and an outer surface away from such interior includes a  
body of a high temperature alloy having properties combining resistance to hot corrosion  
and oxidation to avoid coating the outer surface. In one embodiment, the inner surface  
includes an environmental resistant coating comprising a ceramic-base thermal barrier  
coating. In some forms such coating includes an inner coating including Al under the  
10 ceramic-base coating. In another embodiment, the member includes air cooling passages  
and is substantially uncoated. Provision of such a member enables complete combustor  
assembly including a plurality of members and then coating all inner surfaces  
concurrently rather than individually before assembly.